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L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:71169 CAPLUS

DOCUMENT NUMBER: 142:176679

TITLE: Preparation of hydroxypyrrolidines as kappa agonists for the treatment of irritable bowel syndrome.

INVENTOR(S): Staehle, Wolfgang; Gottschlich, Rudolf; Harting, Juergen; Seyfried, Christoph

PATENT ASSIGNEE(S): Merck Patent G.m.b.H., Germany

SOURCE: PCT Int. Appl., 31 pp.

CODEN: PIXXD2

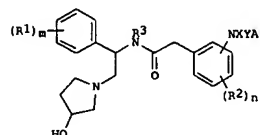
DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005007626	A1	20050127	WO 2004-EP6630	20040618
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10331723	A1	20050616	DE 2003-10331723	20030711
AU 2004256892	A1	20050127	AU 2004-256892	20040618
CA 2531817	A1	20050127	CA 2004-2531817	20040618
EP 1644327	A1	20060412	EP 2004-740074	20040618
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CN 1819994	A	20060816	CN 2004-80019779	20040618
BR 2004012451	A	20060919	BR 2004-12451	20040618
US 2006178426	A1	20060810	US 2006-563975	20060110
PRIORITY APPL. INFO.: DE 2003-10331723 A 20030711				
OTHER SOURCE(S): MARPAT 142:176679 WO 2004-EP6630 W 20040618				
GI				



current app.

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AB Title compds. [I: A = (R1-substituted) mono- or bicyclic (aromatic) (heterocyclic) ring system; R1, R2 = H, halo, NO2, NHR, NR2, OR, COR, SO2R, SO2R, SR, CF3, OCF3, SCF3, alkyl, cycloalkyl; R3 = alkyl; X = CO, CS, SO2; Y = O, NH, CH2; R = H, (substituted) alkyl, cycloalkyl aryl, aralkyl; m = 0-4; n = 0-3], were prepared as kappa agonists for the treatment of irritable bowel syndrome (no data).

IT 832103-89-6P 832103-90-9P 832103-91-0P

832103-92-1P 832103-99-8P 832104-02-6P

832104-03-7P 832104-04-6P 832104-07-1P

832104-08-2P 832104-09-3P 832104-10-6P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

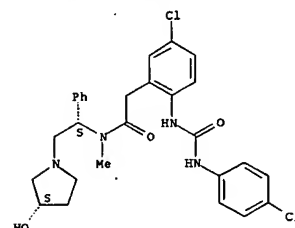
(preparation of hydroxypyrrolidines as kappa agonists for the treatment of

irritable bowel syndrome)

RN 832103-89-6 CAPLUS

CN Benzeneacetamide, 5-chloro-2-[[[(4-chlorophenyl)amino]carbonyl]amino]-N-[(1S)-2-[(3S)-3-hydroxy-1-pyrrolidinyl]-1-phenylethyl]-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

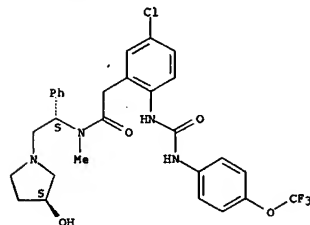


RN 832103-90-9 CAPLUS

CN Benzeneacetamide, 5-chloro-N-[(1S)-2-[(3S)-3-hydroxy-1-pyrrolidinyl]-1-phenylethyl]-N-methyl-2-[[[(4-(trifluoromethoxy)phenyl)amino]carbonyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

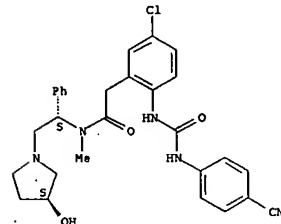
L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 832103-91-0 CAPLUS

CN Benzeneacetamide, 5-chloro-2-[[[(4-cyanophenyl)amino]carbonyl]amino]-N-[(1S)-2-[(3S)-3-hydroxy-1-pyrrolidinyl]-1-phenylethyl]-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

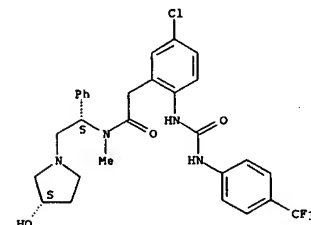


RN 832103-92-1 CAPLUS

CN Benzeneacetamide, 5-chloro-N-[(1S)-2-[(3S)-3-hydroxy-1-pyrrolidinyl]-1-phenylethyl]-N-methyl-2-[[[(4-(trifluoromethyl)phenyl)amino]carbonyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

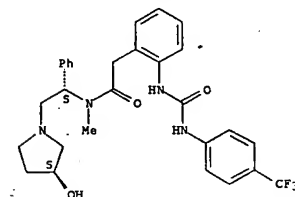
L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 832103-99-8 CAPLUS

CN Benzeneacetamide, N-[(1S)-2-[(3S)-3-hydroxy-1-pyrrolidinyl]-1-phenylethyl]-N-methyl-2-[[[(4-(trifluoromethyl)phenyl)amino]carbonyl]amino]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 832104-02-6 CAPLUS

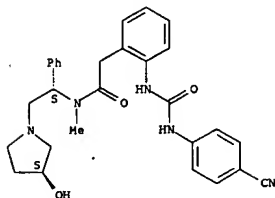
CN Benzeneacetamide, 2-[[[(4-cyanophenyl)amino]carbonyl]amino]-N-[(1S)-2-[(3S)-3-hydroxy-1-pyrrolidinyl]-1-phenylethyl]-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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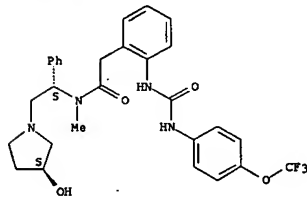
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L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 832104-03-7 CAPLUS
 CN Benzeneacetamide, N-[(1S)-2-[(3S)-3-hydroxy-1-pyrrolidinyl]-1-phenylethyl]-N-methyl-2-[[[4-(trifluoromethoxy)phenyl]amino]carbonyl]amino- (9CI) (CA INDEX NAME)

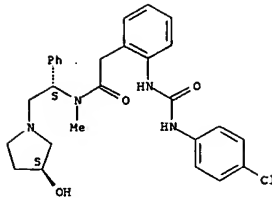
Absolute stereochemistry.



RN 832104-04-8 CAPLUS
 CN Benzeneacetamide, 2-[[[4-(chlorophenyl)amino]carbonyl]amino]-N-[(1S)-2-[(3S)-3-hydroxy-1-pyrrolidinyl]-1-phenylethyl]-N-methyl- (9CI) (CA INDEX NAME)

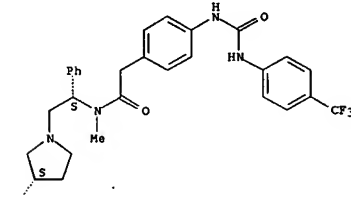
Absolute stereochemistry.

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 832104-07-1 CAPLUS
 CN Benzeneacetamide, N-[(1S)-2-[(3S)-3-hydroxy-1-pyrrolidinyl]-1-phenylethyl]-N-methyl-4-[[[4-(trifluoromethyl)phenyl]amino]carbonyl]amino- (9CI) (CA INDEX NAME)

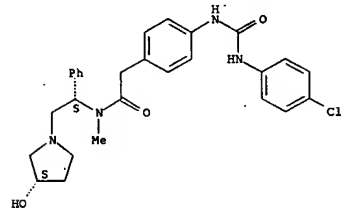
Absolute stereochemistry.



RN 832104-08-2 CAPLUS
 CN Benzeneacetamide, 4-[[[4-(chlorophenyl)amino]carbonyl]amino]-N-[(1S)-2-[(3S)-3-hydroxy-1-pyrrolidinyl]-1-phenylethyl]-N-methyl- (9CI) (CA INDEX NAME)

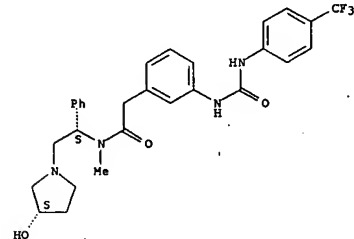
Absolute stereochemistry.

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 832104-09-3 CAPLUS
 CN Benzeneacetamide, N-[(1S)-2-[(3S)-3-hydroxy-1-pyrrolidinyl]-1-phenylethyl]-N-methyl-3-[[[4-(trifluoromethyl)phenyl]amino]carbonyl]amino- (9CI) (CA INDEX NAME)

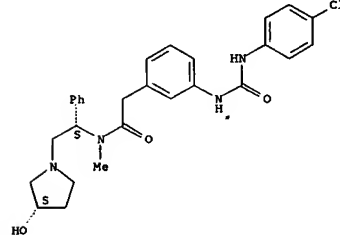
Absolute stereochemistry.



RN 832104-10-6 CAPLUS
 CN Benzeneacetamide, 3-[[[4-(chlorophenyl)amino]carbonyl]amino]-N-[(1S)-2-[(3S)-3-hydroxy-1-pyrrolidinyl]-1-phenylethyl]-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

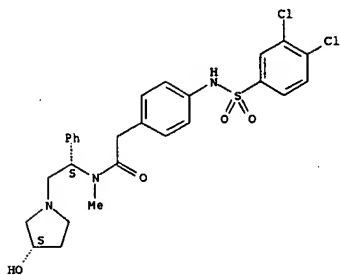


REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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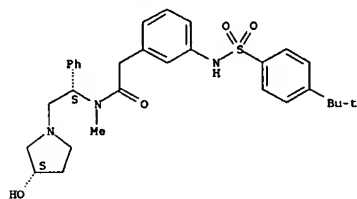
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L15 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 832104-15-1 CAPLUS
CN Benzeneacetamide, 3-[[[4-(1,1-dimethylethyl)phenyl]sulfonyl]amino]-N-[(1S)-2-[(3S)-3-hydroxy-1-pyrrolidinyl]-1-phenylethyl]-N-methyl- (9CI) (CA INDEX NAME)

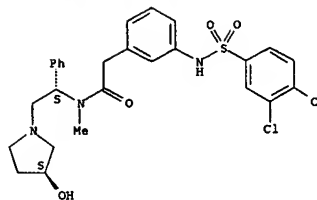
Absolute stereochemistry.



RN 832104-16-2 CAPLUS
CN Benzeneacetamide, 3-[[[3,4-dichlorophenyl]sulfonyl]amino]-N-[(1S)-2-[(3S)-3-hydroxy-1-pyrrolidinyl]-1-phenylethyl]-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L15 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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